

**GROUNDING MOLDING TOOL FOR  
MANUFACTURE OF OPTICAL COMPONENTS**

**ABSTRACT**

In one embodiment, the invention is directed to an injection molding tool that has  
5 improved grounding. The injection molding process creates significant amounts of static  
electricity in the molten thermoplastic. This static electricity can be more adequately  
dissipated from the system through the addition of one or more paths to ground. In this  
manner, a significant reduction in charge passing between the stamper and the mirror  
block can be achieved. By reducing or eliminating the amount of charge passing between  
10 the stamper and the mirror block, erosion of the mirror block can be reduced or avoided.